

Title (en)  
MILLING TOOL

Title (de)  
FRÄSWERKZEUG

Title (fr)  
OUTIL DE FRAISAGE

Publication  
**EP 2678128 B1 20190710 (DE)**

Application  
**EP 12712531 A 20120223**

Priority  
• AT 1092011 U 20110224  
• AT 2012000041 W 20120223

Abstract (en)  
[origin: WO2012113006A1] The invention relates to a cutting insert for machining, comprising a substantially cylindrical main body having an axis A. The cutting insert has a lateral flank face (1) and opposite rake faces (2, 2'), wherein cutting edges (3, 3') are formed at the intersection of said faces. The cutting edges (3, 3') each have at least two convexly curved sections (4, 4') in the direction of the axis A, which are connected to each other by concavely curved or substantially straight sections (5, 5').

IPC 8 full level  
**B23C 5/20** (2006.01)

CPC (source: EP US)  
**B23C 5/202** (2013.01 - EP US); **B23C 5/205** (2013.01 - US); **B23C 2200/045** (2013.01 - EP US); **B23C 2200/128** (2013.01 - US); **B23C 2200/203** (2013.01 - EP US); **B23C 2210/163** (2013.01 - EP US); **Y10T 407/1924** (2015.01 - EP US); **Y10T 407/235** (2015.01 - EP US)

Citation (examination)  
• WO 2010017859 A1 20100218 - KENNAMETAL INC [US], et al  
• WO 2010134700 A2 20101125 - TAEGU TEC LTD [KR], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2012113006 A1 20120830**; AT 12527 U1 20120715; CN 103402681 A 20131120; CN 103402681 B 20160608; EP 2678128 A1 20140101; EP 2678128 B1 20190710; ES 2748033 T3 20200312; IL 228012 A0 20130930; IL 228012 B 20180830; JP 2014509264 A 20140417; PL 2678128 T3 20200131; US 10040138 B2 20180807; US 2013330135 A1 20131212

DOCDB simple family (application)  
**AT 2012000041 W 20120223**; AT 1092011 U 20110224; CN 201280010500 A 20120223; EP 12712531 A 20120223; ES 12712531 T 20120223; IL 22801213 A 20130818; JP 2013554744 A 20120223; PL 12712531 T 20120223; US 201214001534 A 20120223